

WHAT IS CLAIMED IS:

- 1 1. A system for servicing imaging data stored in a personal
2 imaging repository by a requested web service operably connected to a
3 computing device requesting the service, comprising:
4 a computing device for requesting service with the requested web
5 service;
6 a personal imaging repository associated with a particular user
7 profile for storing imaging data that is to be accessed by the requested web
8 service;
9 user information for allowing access to said personal imaging
10 repository; and,
11 a requested web service for servicing the imaging data stored in
12 said personal imaging repository;
13 wherein said personal imaging repository is an exchange
14 infrastructure between the imaging data and available web services.
- 1 2. The system as defined in claim 1 wherein said requested
2 web service sends a web content responsive to a service request from said
3 computing device.
- 1 3. The system as defined in claim 2 wherein said web content
2 causes said user information to be sent to said web service.
- 1 4. The system as defined in claim 3 wherein said web service
2 accesses said personal imaging repository using said user information.
- 1 5. The system as defined in claim 1 wherein said web service
2 is provided through a web server.

1 6. The system as defined in claim 1 wherein said computing
2 device further includes a web browser for displaying and executing web
3 content from the available web services.

1 7. The system as defined in claim 1 wherein said personal
2 imaging repository provides the imaging data in a plurality of file formats.

1 8. The system as defined in claim 7 wherein said personal
2 imaging repository further comprising a converter for converting the imaging
3 data to any of said plurality of file formats.

1 9. The system as defined in claim 7 wherein said plurality of
2 file formats of said personal imaging repository is any one from the group
3 consisting of:

4 Joint Photographic Experts Group Format;

5 Graphics Interchange Format;

6 Portable Network Graphics Format;

7 Tagged Image File Format;

8 Portable Document Format; and,

9 Microsoft Windows bitmap format.

10 10. The system as defined in claim 1 wherein said personal
11 imaging repository comprises an imaging data store for storing imaging data.

1 11. The system as defined in claim 1 wherein said personal
2 imaging repository comprises a plurality of imaging data stores for storing
3 imaging data.

1 12. The system as defined in claim 11 wherein one of said
2 plurality of imaging data stores is assigned to the user associated with said
3 personal imaging repository for user usage.

4 13. The system as defined in claim 11 wherein one of said
5 plurality of imaging data stores is assigned to a web service for storing imaging
6 data available to the public.

1 14. The system as defined in claim 1 wherein said personal
2 imaging repository comprises a composition store for storing imaging
3 compositions of imaging data serviced as a single unit.

1 15. The system as defined in claim 14 wherein an imaging
2 composition comprises the imaging data or a link to each imaging data.

1 16. The system as defined in claim 1 wherein said user
2 information is identification and security information used for accessing said
3 personal imaging repository.

4 17. The system as defined in claim 1 wherein said user
5 information is sent to the requested web service for granting access to said
6 personal imaging repository.

1 18. The system as defined in claim 1 wherein said user
2 information is stored on the computing device.

1 19. A method for requesting service for imaging data stored in
2 a personal imaging repository having an imaging data store for storing the
3 imaging data and a composition store for storing imaging compositions having
4 links to the imaging data serviced as a single unit, through a computing device
5 having a browser operably connected to a requested web service, said method
6 comprising the steps of:

7 requesting service from the requested web service by the
8 computing device;

9 sending user information to the requested web service;

10 accessing the personal imaging repository using the user
11 information by the requested web service; and,

12 servicing the selected imaging data by the requested web service
13 responsive to user selection from the computing device.

1 20. The method according to claim 19 wherein said step of
2 requesting service further comprising the steps of:

3 requesting web content from the requested web service by the
4 browser of the computing device;

5 receiving the request for web content from the browser by the
6 requested web service;

7 sending web content to the browser by the requested web service
8 responsive to the request for web content;

9 receiving the web content from the web service by the browser;

10 and,

11 displaying and executing the web content by the browser.

1 21. The method according to claim 20 wherein said step of
2 displaying and executing the web content further comprising the steps of:

3 sending user information to the requested web service by the
4 browser responsive to the web content; and,

5 directing the browser to a requested web service responsive to the
6 web content.

1 22. The method according to claim 20 further comprising the
2 steps of:

3 sending user information to the requested web service; and,

4 directing the browser to a requested web service responsive to the
5 web content.

6 23. The method according to claim 19 wherein said step of
7 accessing the personal imaging repository further comprising the steps of:

8 connecting with the composition store of the personal imaging
9 repository by the web service;

10 obtaining a list of the imaging composition stored in the
11 composition store by the web service;

12 constructing a web content including a list of the imaging
13 composition by the web service and control for selecting the available service;
14 and,

15 sending the constructed web content to the browser by the web
16 service for user selection.

17 24. The method according to claim 23 further comprising the
18 steps of:

19 receiving the constructed web content from the web service by
20 the browser; and,

21 displaying the constructed web content for user selections by the
22 browser.

23 25. The method according to claim 23 further comprising the
24 steps of:

25 requesting a selected composition in a specified format from the
26 composition store by the web service responsive to user selection;

27 receiving a request for user selected composition in a specified
28 format from the web service by the composition store;

29 obtaining each imaging data indicated by the selected
30 composition from its proper location;

31 sending the imaging data linked from the user selected
32 composition in the specified format to the web service by the composition
33 store; and,

34 receiving the imaging data in the specified format from the
35 composition store by the web service.

36 26. The method according to claim 25 wherein said step of
37 sending the imaging data further comprising the steps of:

38 determining whether the imaging data needs to be converted into
39 the specified format; and,

40 converting the imaging data in the specified format when the
41 imaging needs to be converted into the specified format.

1 27. The method according to claim 19 wherein said step of
2 accessing the personal imaging repository further comprising the steps of:

3 connecting with the imaging data store of the personal imaging
4 repository indicated from the user information; and,

5 transferring the imaging data to the imaging data store.

1 28. The method according to claim 27 further comprising the
2 steps of:

3 obtaining a link reference of the transferred imaging data stored
4 in the personal imaging data store; and,

5 disconnecting from the imaging data store by the requested web
6 service.

1 29. The method according to claim 27 wherein said step of
2 connecting with the imaging data store further comprising the steps of:

3 determining whether the connection with the imaging data store
4 is successful; and,

5 returning an error message to the user when the connection is not
6 successful.

7 30. The method according to claim 27 wherein said step of
8 connecting with the imaging data store further comprising the step of
9 converting the imaging data into a predefined format.

1 31. The method according to claim 30 wherein said predefined
2 format is any one from the group consisting of:

3 Joint Photographic Experts Group Format;
4 Graphics Interchange Format;
5 Portable Network Graphics Format;
6 Tagged Image File Format;
7 Portable Document Format; and,
8 Microsoft Windows bitmap format.

1 32. The method according to claim 27 further comprising the
2 steps of:

3 obtaining a link reference of the transferred imaging data stored
4 in the personal imaging data store;

5 connecting with the composition store of the personal imaging
6 repository indicated from the user information;

7 creating an imaging composition having a link reference to the
8 imaging data stored in the personal imaging data store; and,

9 saving the imaging composition to the composition store.

1 33. The method according to claim 32 further comprising the
2 steps of:

3 setting the imaging composition as a selected composition
4 available for service in the composition store; and,

5 disconnecting from the composition store of the personal imaging
6 repository.

1 34. The method according to claim 32 wherein prior to the
2 step of creating an imaging composition further comprising the steps of:

3 determining whether the connection with the composition store is
4 successful; and,

5 returning an error message to the user when the connection to the
6 composition is not successful.

1 35. The method according to claim 32 wherein said step of
2 creating an imaging composition further comprising the step of adding the link
3 reference of the imaging data stored in the imaging data store to the imaging
4 composition.

1 36. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when executed cause a computer to:

4 request service from the requested web service by the computing
5 device;

6 send user information to the requested web service;

7 access the personal imaging repository using the user information
8 by the requested web service; and,

9 service the selected imaging data by the requested web service
10 responsive to user selection from the computing device.